

CALL FOR PAPERS - FEATURE ISSUE ON FIBER AMPLIFIERS AND LASER

About The Feature Issue

Erbium Doped Fiber Amplifier (EDFA) now forms an integral part of any optical communication network whether for long-haul inter-city or undersea telecom, or for metro communication or for CATV. First reported in a research paper by David Payne and its co-researchers from ORC, University of Southampton in 1987 and soon after by Emmanuel Desurvire and co-researchers from Bell Laboratories, its discovery led to emergence of dense wavelength division multiplexed optical communication, the backbone for today's Internet traffic. EDFA became commercially deployed in 1996 and ever since its growth has been phenomenal. In commemoration of the 25 years of the EDFA discovery, OSI's Journal of Optics announces a special feature issue to present recent advances in fiber amplifiers, lasers, and future prospects of these two revolutionary products of contemporary fibre optics and photonics. All interested authors are invited to submit newest results on fiber amplifiers and lasers in general for possible publication in this special feature issue of the journal of Optics. All submitted papers would undergo peer reviews. Several leading well known experts from different continents on these topics have already agreed to contribute invited review papers on this theme topic. Potential topics include, but not limited to

- Fiber lasers and amplifiers based on novel geometries and waveguides
- Power scaling of continuous-wave and pulsed fiber lasers
- Raman and Brillouin fiber lasers and devices
- Frequency conversion fiber laser
- Ultrafast fiber laser sources
- Fiber supercontinuum sources
- Design and modelling of fiber lasers and amplifiers
- New materials and design of specialty fibers for fiber lasers and amplifiers
- Novel doped fiber fabrication techniques
- Photonic crystal based fiber amplifiers and lasers

The Guest Editors for this special issue are Atul Srivastava (NEL-America), Jayanta Sahu (ORC, University of Southampton), and Bishnu Pal (Indian Institute of Technology Delhi)

The submission of a paper in OPTI should imply that the paper has not been published previously nor has been sent for publication elsewhere. Manuscript submission deadline is September 30, 2014 and proposed publication date is March 2015. For manuscript preparation, the authors must adhere to 'Instructions for Authors' available at www.editorialmanager.com/opti (Article Category - SI: EDFA and Fiber Lasers)

In case of problem during the submission process, please contact: Ashok Kumar, Executive-Editorial Support Springer India Pvt. Ltd, Tel.: 011- 4575 5819, e-mail: ashokkumar@springer.com